

IEEE P802.15
Wireless Personal Area Networks

Project	IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs)	
Title	Resolution with CID 75	
Date Submitted	[12 th July, 2010]	
Source	[Jaeseung Son, Samsung Electronics]	E-mail:[js1007.son@samsung.com]
Re:		
Abstract	Adding subclause 5.5.1.4.2 Coexistence with CSK	
Purpose	[TG 7 received about PHY header related comments in LB. This document is the response about PHY header comments]	
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5.5.1.4.2 Co-existence of PHY Type 1 and PHY Type 2 with PHY Type 3

PHY Type 3 devices require PHY Type 1 or PHY Type 2 support for device discovery. Support for a PHY Type 1 or PHY Type 2 device shall be mandatory. After all devices in the network are discovered and if all of them support PHY Type 3 when their capabilities are exchanged, the coordinator can decide to switch to PHY Type 3 mode. In addition, all PHY Type 3 devices should match the operating bands for communication, so that transmission on two bands do not fall within one filter band of the receiver. PHY Type 3 thus provides co-existence by providing priority to PHY Type 1 and PHY Type 2 devices.

서식 있음: 글꼴: (한글) 맑은 고딕, 12 pt, 굵게, (한글) 한국어

삭제됨: with CSK

서식 있음: 글꼴: (한글) 맑은 고딕, 12 pt, 굵게, (한글) 한국어

서식 있음: 글꼴: 12 pt, 굵게

삭제됨: Link establishment must be done via OOK since it is not know which devices in network support CSK

서식 있음: 양쪽

삭제됨: CSK receiver must be able to receive a regular LR or HR PHY transmission on any wavelength. The CSK transmitter and receiver should be matched for CSK operatio

삭제됨: n

삭제됨: two transmissions

삭제됨: . All devices in network should support CSK for CSK operation. CSK receiver should support LR and HR PHY detection (at start-up) to make sure there is no existing network before commencing CSK operation CSK support information should be provided in the PHY capabilities and exchanged during link establishment and verified before commencing CSK operation. Detailed procedure is explained in figure xx. .

